Synchronize Execution Capability Gaps

Briefer:

C2 DOTMLPF Working Group

MONDAY 26	TUESDAY 27	WEDNESDAY 28	THURSDAY 29	FRIDAY 30
0800 Opening 0830 DWG Procedural Brief 0930 DO Brief 1030 DWG Plan of Attack	Networking cont'd	Positive ID of Friendly Forces Gaps 5,10,13,21,24	0800 **Synchronize Execution** **Gaps 3,6,19,20**	0800 Review DOTLPF impacts across gaps Review SPD alignment 1200 Adjourn
0800 Networking Gaps 2, 4, 8, 16, 17, 23, 26 Collaboration Gaps 9,12, 14, 22, 29 Positive ID gaps 1, 31	Networking cont'd	Conduct IA Gaps 7, 11, 18	Plan Collaboratively Gaps 15, 25, 27, 28, 30	1300 SPD Core Development Team

Synchronize Execution

- **Gap 3: Gap in the ability to define and display operational picture with minimum latency, incorporate air and ground tracks, do so on the move from any platform (bn and below) (G)**

- **Gap 6: Shortfall in the ability to define and display operational picture with minimum latency, incorporate air and ground tracks, do so on the move from any platform (MSC and above) (S/F)**

- **Gap 19: Shortfall in modular, scaleable equipment that alleviates training requirements (S/F)**

- **Gap 20: Shortfall at all echelons in the ability to gracefully degrade if network is degraded or lost and continue to operate effectively (S/F)**

(G) = Gap (S/F)= Shortfall

Synchronize Execution
Priority #3

C2ID

JCA: 5.6.0.0 Synchronize Execution Across all domains

MCT: 5.3.1, 5.3.2

Deficiencies in Conditions: Commander is unable to define an operational picture and display is in a standardized format and COC configuration

Deficiencies in Standards: Unable to operate from amphibious or aviation platforms, on-the-move or allow for graceful degradation

Mission Area	FP, PO, FE, CIT, DO
Forces Affected	Battalion and below
Capability Statement	Gap in the ability to define and display operational picture with minimum latency, incorporate air and ground tracks, do so on-the move and over-the-horizon from any platform
DOTMLPF	D, T, M

Inputs utilized for analysis:

FORCEnet Concept

FORCEnet Capabilities Annex

MAGTF C2 Vision

MAGTF C2 CONOPS

C2 JIC CBA

DO CONOPS

Current PORS

AFATDS	C2PC
CAC2S	JBCP
TBMCS	COC
MAGTF C2 S&A	CTN
SIAP	FICCS
JNMS	GCCS

Synchronize Execution
Priority #6

C2ID

JCA: 5.6.0.0 Synchronize Execution Across all domains

MCT: 5.3.1 Direct Operations, 5.3.2 Establish Means of Command and Control, 5.1.3.1 Maintain COP

Deficiencies in Conditions: Commander is unable to define an operational picture and display is in a standardized format and COC configuration

Deficiencies in Standards: Unable to operate from amphibious or aviation platforms, on the move, or allow for graceful degradation

Inputs utilized for analysis:

FORCEnet Concept

FORCEnet Capabilities Annex

MAGTF C2 Vision

MAGTF C2 CONOPS

C2 JIC CBA

DO CONOPS

Gap, Excess, or Shortfall

Mission Area	FP, PO, FE, CIT, DO
Forces Affected	MSC and Above
Capability Statement	Shortfall in ability to define and display operational picture with required latency, incorporate air and ground tracks, do so on-the move from any platform
DOTMLPF	D, T, M

Current PORS

AFATDS	C2PC
CAC2S	JBCP
TBMCS	COC
MAGTF C2 S&A	CTN
SIAP	FICCS
JNMS	GCCS

DOTMLPF Analysis

Doctrine

- **Is there existing doctrine that addresses the issue or relates to the issue? Joint? Service? Agency?**

- **Are there operating procedures in place that are NOT being followed which contribute to the issue? Which could, at least in part, correct the issue or lessen its impact?**

- **If no doctrine or procedures are in place which pertain to the issue, does new doctrine or do new procedures need to be developed and implemented which provide either a complete or partial solution to the issue?**

DOTMLPF Analysis

Organization

- **Where is the problem occurring? What organizations is the problem occurring in?**
- **What is the mission/management focus of those organizations?**
  - **Primary and secondary missions**
- **What are the organizational values and priorities?**
- **Is the organization properly staffed and funded to deal with the issue?**
- **Are commanding officers/senior management aware of the issues?**
- **Is the issue already in some type of organizational issue list (CC IPL)?**
- **If so, why isn't the issue being resolved?**
- **Who exactly is aware of/impacted by the issue?**

DOTMLPF Analysis

Training

- **Is the issue caused, at least in part, by a complete lack of or inadequate training?**
- **Does training exist which addresses the issue?**
- **Is the training being delivered effectively?**
- **Is the issue caused by a lack of competency or proficiency on existing systems and equipment?**
- **Do personnel effected by the issue have access to training?**
- **Is training properly staffed and funded?**

DOTMLPF Analysis

Materiel

- **Is the issue caused, at least in part, by inadequate systems or equipment?**

- **What current systems are in the Family-of-Systems where the problem is occurring?**

- **What functionality would a new system provide that currently does *not* exist?**

- **Is the issue caused by a lack of competency or proficiency on existing systems and equipment?**

- **Who would be the primary and secondary users of the proposed systems or equipment?**

DOTMLPF Analysis

Leadership & Education

- **Is the issue caused, at least in part, by inability or decreased ability to cooperate/coordinate/ communicate with external organizations?**

- **Do the senior officers understand the scope of the problem?**

- **Does command have resources at its disposal to correct the issue?**

- **Is leadership being trained on effective change management principles?**

- **Has command properly assessed the level of criticality, threat, urgency, risk, etc. of the operational results of the issue?**

- **Is senior leadership aware of the drivers and barriers to**

DOTMLPF Analysis

Personnel

- **Is the issue caused, at least in part, by inability or decreased ability to place qualified and trained personnel in occupational specialties?**

- **If issue resolution is likely to involve new material, systems, or equipment, are different occupational specialty codes needed to properly staff new systems?**
  - **Primary users**
  - **Maintenance personnel**
  - **Support personnel**

- **Do new training programs need to be developed for newly recruited personnel?**

DOTMLPF Analysis

Facilities

- Is the issue caused, at least in part, by inadequate infrastructure?
- If so, was issue a result of
  - Aging/wear?
  - New engineering didn't meet needs?
  - Battle damage/threat?
- Was issue caused by lack of proper environmental controls?
- Issue caused, at least in part, by inadequate
  - Roads/trails?
  - Main supply routes?
  - Force beddown?
  - Facilities operation and maintenance?
  - Hardening?
  - Field fortification support?
  - Etc?

Ideas for Materiel Approaches (IMA)

If materiel development is the answer, the next FSA step simply provides potential materiel solutions:

- **Functional experts from each service develop and submit ideas for joint materiel approaches**
- **Not system specific (that will be done in the AOA)**
  - **Considers range of military operations, conditions set by concepts and architectures**
  - **Changes in quantity of existing equipment**
  - **Product improvement to existing materiel**
  - **Acquisition of other service, interagency, or foreign military approaches**
  - **Capability bases looking at materiel alternatives as:**
    - **A UAV with a bomb**
    - **A ground sensor**
    - **An aeriel recon vehicle**
    - **NOTICE, NO MENTION OF A SPECIFIC UAV, SENSOR, HELICOPTER – IT IS CAPABILITY, NOT SYSTEM FOCUSED**
- **Prioritized list of materiel approaches, based on satisfying need, technical maturity, timeliness of delivery, potential for full capability.**
- **If none are satisfactory, expand the list of alternatives**

RECAP

- ✓ **Have we adequately covered the capability area?**
- ✓ **Do we have adequate DOTMLPF pillar assessments for at least the top 10 gaps?**
- ✓ **Have we included the correct lead/support organizations for each pillar?**
- ✓ **Have we properly identified needs for S&T initiatives?**
- ✓ **Have we identified those areas that require interaction between Integration Divisions?**
- ✓ **Have we identified any additional areas that need to be studied or issues that need to be reviewed before finalizing the SPD in this area?**
- ✓ **Is there a larger DOTLPF issue that needs to be addressed on Friday? If so, what is it?**

QUESTIONS?